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RCA-03/0024/69

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Basic Imagery Interpretation Report

NATIONAL
PHOTOGRAPHIC
INTERPRETATION
CENTER

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[redacted]

UKA HEN EGG/KAMCHATKA
IMPACT TRACKING FACILITY A

[redacted]

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DEPLOYED COMMUNICATIONS/ELECTRONICS/RADAR FACILITIES

USSR

MAY 1969

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5 PAGES

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INSTALLATION OR ACTIVITY NAME	COUNTRY
Uka HEN EGG/Kamchatka Impact Tracking Facility A	UR

UTM COORDINATES	GEOGRAPHIC COORDINATES
NA	57-56N 162-01E

MAP REFERENCE
ACIC, USATC, Series 200, Sheet M0132-14HL, 3d ed, Dec 66, scale 1:200,000 (SECRET/[redacted]

LATEST IMAGERY USED	NEGATION DATE
[redacted]	NA

ABSTRACT

Uka HEN EGG/Kamchatka Impact Tracking Facility A, USSR, is the northernmost of seven terminal range tracking facilities of the Tyuratam Missile Test Range. The facility has an operations area that includes a HEN EGG radar, an optical tracking device shelter, and two FORK REST communications antennas. Tracking Facility A has the largest operations area and support area of the seven tracking facilities and it is the only one which has a HEN EGG radar. The HEN EGG radar probably has assumed the functions of an interferometer and a parabolic dish tracking antenna previously noted at the facility.

This report describes Tracking Facility A from the first indication of its existence from COMINT information in late 1956 through photographic coverage of [redacted] The separate components of the operations area and other associated facilities are discussed. All significant structures and features are annotated and tabulated with mensuration on large-scale photography of excellent interpretability from [redacted]

INTRODUCTION

Uka HEN EGG/Kamchatka Impact Tracking Facility A is approximately 105 nautical miles (nm) north-northeast of Klyuchi on the Kamchatka Peninsula (Figure 1) and is the northernmost of seven tracking facilities, designated A through G, of the terminal range facilities of the Tyuratam Missile Test Range.

Facility A (Figure 2) consists of an operations area containing a HEN EGG radar, a main housing and support area, a calibration facility, a POL storage area, and associated facilities including an airfield with an associated air warning radar facility. The operations area of Facility A is secured by a wall and a separate security fence inside the walled area. The HEN EGG radar at the Uka facility is similar to the HEN EGG radars associated with the electronics portion of Tracking Facilities 3, 6, and 10 at the Sary-Shagan Missile Test Center (SSMTC). The Uka facility is the only one of the seven Tyuratam tracking facilities which has a HEN EGG radar.

Logistical support to the facility may be supplied by sea during ice-free periods, but it is probably accomplished primarily by air year round. No AAA gun emplacements, SAM sites, or other types of defenses are observed in the area.

BASIC DESCRIPTION

Uka HEN EGG/Kamchatka Impact Tracking Facility A and its association with the Tyuratam Missile Test Range were first noted from COMINT information in late 1956. In [redacted] on the first photographic coverage of the Uka-Klyuchi area, five tracking facilities were observed under construction. Facility A contained an optical tracking device shelter (formerly referred to as Radar A) and an interferometer. In [redacted] when the Uka area was next covered on interpretable photography, the Uka airfield was in a late stage of construction, numerous buildings were under construction in the main housing and support area, and ground scars were observed in what is now the POL storage area and extending from the future site of the HEN EGG radome to the area of the present calibration tower. In [redacted] the HEN EGG radome was first observed; the operational status of the radar and other facilities was not discernible due to photography of poor interpretability.

25X1 In on the first large-scale photography of the facility, the operations area was identifiable and in it the HEN EGG radar with a 110-foot-diameter radome appeared to be externally complete. A large, self-supporting latticework probable service tower was adjacent to the radome and the control and operations building. The probable service tower at Facility A is located in the same position relative to the HEN EGG radome as the service towers at SSMTC Tracking Facilities 3, 6, and 10, and was probably used during the installation of the radar antenna and construction of the dome, as well as for subsequent maintenance. The tower is probably permanent. An unidentified parabolic dish tracking antenna, approximately 30 feet in diameter, was observed north of the HEN EGG radar within the secured area on the photography and on subsequent photog- 25X1
25X1 raphic coverage until when its absence was first noted.

The optical tracking device shelter, between the HEN EGG radar and the location of the parabolic tracking antenna, has a diameter dome mounted on a circular 25X1
pedestal. The dome has not been observed removed, retracted, or open in any manner on available photography. 1/ Tracking Facilities A, B, and E, each containing an optical tracking device shelter, are each approximately 35 nm from Poluostrov Kamchatka Missile Impact Area 1. A line drawn from the rear of each optical tracking device shelter through the dome and extended will intersect at Poluostrov Kamchatka Missile Impact Area 1.

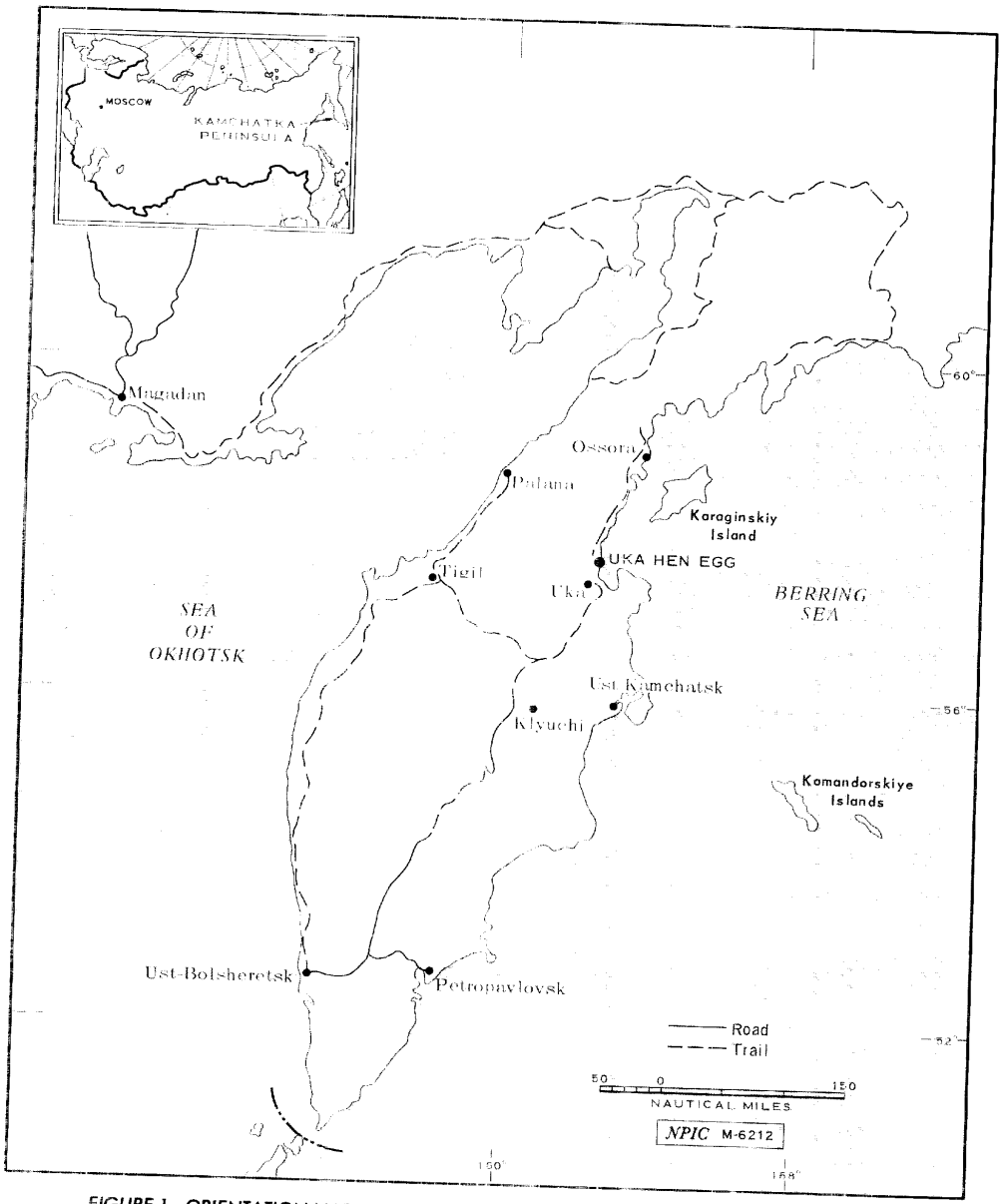

FIGURE 1. ORIENTATION MAP, UKA HEN EGG/KAMCHATKA IMPACT TRACKING FACILITY A.

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Tracking Facilities A and E do not have direct line-of-sight optical tracking to the impact area. 2/

Three communications antennas were observed on photography: two tower-mounted FORK REST antennas (one within the walled area and one immediately north of the walled operations area) and one unidentified mast-mounted antenna.

The interferometer, north of the secured operations area, was present when the facility was first seen in and was abandoned by mid-1966.

The calibration facility is 4,690 feet from the HEN EGG radar on an azimuth of degrees. The facility consists of a high self-supporting tower, a control building adjacent to the tower, a small probable relay/switching building directly beneath the tower, and five associated support buildings.

The POL storage facility, south of the main housing and support area, appears to be completed. Four partially buried tanks and approximately 90 horizontal tanks diameter by long) are observed in the storage area at any given time. Approximately ten horizontal POL storage tanks have been observed adjacent to the operations area since it was first observed on photography.

The main housing and support area associated with Tracking Facility A is considerably larger than the support facilities at the other six tracking facilities. It contains 13 probable barracks, 34 multifamily dwellings, vehicle maintenance buildings, and numerous other buildings probably associated with administrative functions, storage, vehicle maintenance, and other personnel- and logistics-related activities characteristic of an outlying installation. No power substation or other electrical facility is present. Electricity is probably generated on site and supplied from the power and heat plant (item 35, Figure 2).

Another housing area, immediately south of the POL storage area, was constructed between

The airfield at Uka is probably used as a transshipment point for personnel and supplies for the outlying tracking facilities. Facilities at the Uka airfield now include a 7,200-foot runway with overruns at each end, a parallel link taxiway, two parking areas, and an air warning radar facility which utilizes various mobile radar systems of the BAR LOCK, ROCK CAKE/STONE CAKE, and SIDE NET varieties atop drive-up vehicle mounds.

REFERENCES

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IMAGERY

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MAPS OR CHARTS

ACIC. USATC, 200 Series, Sheet M0132-14IIL, 3d ed, Dec 66, scale 1:200,000 (SECRET 25X1

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DOCUMENTS 25X1

25X1 1. CIA. Range Optical Tracking and Instrumentation Stations, USSR and China - Radar A and Related Facilities, Jun 68 (TOP SECRET

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25X1 2. NPIC. R-850/64, Impact Area, Kamchatka Peninsula, USSR, Sep 64 (TOP SECRET

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REQUIREMENT

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NPIC Project 210600

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